

U.S.S.N. 09/593,550

2

24764A (OC 0149 ROA)

composition applied to a surface of each of said at least one strand of said fibrous carrier substrate, said catalyst composition comprising an effective amount of a catalyst having a high activation temperature; and

at least one layer of a solvent-free binder resin composition applied to an outer layer of said at least one layer of said pre-coating, said solvent-free binder resin composition comprising a thermoformable liquid binder resin material having an acid value of less than about 30 mg KOH/g of resin.

18. (Amended) A string binder comprising:

at least one strand of a fibrous carrier substrate;

at least one layer of a solvent-free binder resin composition applied to a each of said at least one strand of said fibrous carrier substrate, said solvent-free resin composition comprising a thermoformable liquid binder resin material having an acid value of less than about 30 mg KOH/g of resin; and

at least one layer of a post-coating of a catalyst composition applied to said outer one of said at least one layer of said solvent-free binder resin composition, said catalyst composition comprising an effective amount of a catalyst having a high activation temperature.

22. (Amended) A preform comprising:

at least one strand of a fibrous carrier substrate;

at least one layer of a pre-coating applied to a surface of each of said at least one strand of said fibrous carrier substrate comprising a catalyst composition, said catalyst composition comprising an effective amount of a catalyst having a high activation temperature;

[U.S.S.N. 09/593,550]

3

[24764A (OC 0149 ROA)]

A²
Amel

at least one layer of a solvent-free binder resin composition applied to an outer layer of said at least one layer of said pre-coating said solvent-free binder resin composition comprising a thermoformable liquid binder resin material having an acid value of less than about 30 mg KOH/g of resin; and

wherein a portion of at least one layer of said solvent binder of at least one of said plurality of string binder fuses within adjacent one of said at least one layer of another one of said plurality of said string binders.

23. (Amended) A molded composite article comprising:

- (a) a moldable matrix polymer material; and
- (b) a preform comprising:

at least one strand of a fibrous carrier substrate;

at least one layer of a pre-coating applied to a surface of each of said at least one strand of said fibrous carrier substrate comprising a catalyst composition, said catalyst composition comprising an effective amount of a catalyst having a high activation temperature;

at least one layer of a solvent-free binder resin composition applied to an outer layer of said at least one layer of said pre-coating said solvent-free binder resin composition comprising a thermoformable liquid binder resin material having an acid value of less than about 30 mg KOH/g of resin; and

wherein a portion of at least one layer of said solvent binder of at least one of said plurality of string binder fuses within adjacent one of said at least one layer of another one of said plurality of said string binders.

U.S.S.N. 09/593,550

4

24764A (OC 0149 ROA)

A3

26. (Amended) A multi-end roving comprising:

a) one or more strands of a reinforcing fiber material; and

b) one or more strands of a string binder, said string binder comprising:

at least one strand of a fibrous carrier substrate;

at least one layer of a pre-coating of a catalyst composition applied to a surface of each of said at least one strand of said fibrous carrier substrate, said catalyst composition comprising an effective amount of a catalyst having a high activation temperature; and

at least one layer of a solvent-free binder resin composition applied to an outer layer of said at least one layer of said pre-coating, said solvent-free binder resin composition comprising a thermoformable liquid binder resin material having an acid value of less than about 30 mg KOH/g of resin.

A4

29. (Amended) A multi-end roving comprising:

a) one or more strands of a reinforcing fiber material; and

b) one or more strands of a string binder, said string binder comprising:

at least one strand of a fibrous carrier substrate;

at least one layer of a solvent-free binder resin composition applied to a each of said at least one strand of said fibrous carrier substrate, said solvent-free resin composition comprising a thermoformable liquid binder resin material having an acid value of less than about 30 mg KOH/g of resin; and

U.S.S.N. 09/593,550

5

24764A (OC 0149 ROA)

A2 could

at least one layer of a post-coating of a catalyst composition applied to said outer one of said at least one layer of said solvent-free binder resin composition, said catalyst composition comprising an effective amount of a catalyst having a high activation temperature.
